

INPUT SET: S22605.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

Kipps, Thomas J.
Sharma, Sanjai
Cantwell, Mark

(ii) TITLE OF INVENTION: NOVEL EXPRESSION VECTORS
CONTAINING ACCESSORY
MOLECULE LIGAND GENES AND
THEIR USE FOR IMMUNO-
MODULATION AND TREATMENT OF
MALIGNANCIES

(iii) NUMBER OF SEQUENCES: 44

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE:	Lyon & Lyon
(B) STREET:	633 West Fifth Street
	Suite 4700
(C) CITY:	Los Angeles
(D) STATE:	California
(E) COUNTRY:	U.S.A.
(F) ZIP:	90071-2066

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: 3.5" Diskette,
1.44 Mb storage
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: IBM P.C. DOS 5.0
(D) SOFTWARE: FastSeq Version 2.0

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: To Be Assigned
(B) FILING DATE:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/982,272DATE: 01/14/98
TIME: 16:27:31

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47 (C) CLASSIFICATION:

48

49

50 (vii) PRIOR APPLICATION DATA:

51

52 (A) APPLICATION NUMBER: 60/132145

53 (B) FILING DATE: 12/9/96

54

55

56 (viii) ATTORNEY/AGENT INFORMATION:

57

58 (A) NAME: Guise, Jeffrey W.

59 (B) REGISTRATION NUMBER: 34,613

60 (C) REFERENCE/DOCKET NUMBER: 231/003

61

62

63 (ix) TELECOMMUNICATION INFORMATION:

64

65 (A) TELEPHONE: (213) 489-1600

66 (B) TELEFAX: (213) 955-0440

67 (C) TELEX: 67-3510

68

69

70 (2) INFORMATION FOR SEQ ID NO: 1:

71

72 (i) SEQUENCE CHARACTERISTICS:

73

74 (A) LENGTH: 786 base pairs

75 (B) TYPE: nucleic acid

76 (C) STRANDEDNESS: single

77 (D) TOPOLOGY: linear

78

79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

80

ATGATCGAAA	CATAACAACCA	AACTTCTCCC	CGATCTGCGG	CCACTGGACT	GCCCATCAGC	60
ATGAAAATTT	TTATGTATT	ACTTACTGTT	TTTCTTATCA	CCCAGATGAT	TGGGTCAAGCA	120
CTTTTGCTG	TGTATCTTCA	TAGAAGGTTG	GACAAGATAG	AAGATGAAAG	GAATCTTCAT	180
GAAGATTTG	TATTCAATGAA	AACGATAACAG	AGATGCAACA	CAGGAGAAAG	ATCCTTATCC	240
TTACTGAAC	GTGAGGAGAT	AAAAAGCCAG	TTTGAAGGCT	TTGTGAAGGA	TATAATGTTA	300
AAACAAAGAGG	AGACGAAGAA	AGAAAACAGC	TTGAAATGC	AAAAGGTGA	TCAGAACATCCT	360
CAAATTGCGG	CACATGTCA	AAAGTGGGCC	AGCAGTAAAA	CAACATCTGT	GTTACAGTGG	420
GCTGAAAAAG	GATACTACAC	CATGAGCAAC	AACTGGTAA	CCCTGGAAAA	TGGGAAACAG	480
CTGACCGTTA	AAAGACAAGG	ACTCTATTAT	ATCTATGCC	AGTCACCTT	CTGTTCCAAT	540
CGGGAAAGCTT	CGAGTCAAAGC	TCCATTATA	GCCAGCCTCT	GCCTAAAGTC	CCCCGGTAGA	600
TTCGAGAGAA	TCTTACTCAG	AGCTGCAAAT	ACCCACAGTT	CCGCCAAACC	TTGCAGGGCAA	660
CAATCCATT	ACTTGGGAGG	AGTATTTGAA	TTGCAACCAG	GTGCTTCGGT	GTTTGTCAAT	720
GTGACTGATC	CAAGCCAAGT	GAGCCATGGC	ACTGGCTTCA	CGTCCTTGG	CTTACTCAAA	780
CTCTGA						786

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98 (2) INFORMATION FOR SEQ ID NO: 2:

99

**RAW SEQUENCE LISTING
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100	(i) SEQUENCE CHARACTERISTICS:	
101		
102	(A) LENGTH:	783 base pairs
103	(B) TYPE:	nucleic acid
104	(C) STRANDEDNESS:	single
105	(D) TOPOLOGY:	linear
106		
107	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
108		
109	ATGATAGAAA CATAACGCCA ACCTTCCCCC AGATCCGTGG CAACTGGACT TCCAGCGAGC	60
110	ATGAAGATTT TTATGTATTT ACTTACTGTT TTCCTTATCA CCCAAATGAT TGGATCTGTG	120
111	CTTTTGCTG TGTATCTTC TAGAAGATTG GATAAGGTG AAGAGGAAGT AAACCTTCAT	180
112	GAAGATTTG TATTCTAAA AAAGCTAAAG AGATGCAACA AAGGAGAAGG ATCTTTATCC	240
113	TTGCTGAAC TGTGAGGAGAT GAGAAGGCAA TTTGAAGACC TTGTCAGGA TATAACGTTA	300
114	AACAAAGAAG AGAAAAAGA AAACAGCTTT GAAATGCAAA GAGGTGATGA GGATCCTCAA	360
115	ATTGCAGCAC ACGTTGTAAG CGAAGCCAAC AGTAATGCG CATCCGTTCT ACAGTGGGCC	420
116	AAGAAAGGAT ATTATACCAT GAAAAGCAAC TTGGTAATGC TTGAAAATGG GAAACAGCTG	480
117	ACGGTTAAA GAGAAGGACT CTATTATGTC TACACTCAAG TCACCTTCTG CTCTAACCGG	540
118	GAGCCTTCGA GTCAACGCCA ATTCACTCGTC GGCCTCTGGC TGAAGCCCAG CATTGGATCT	600
119	GAGAGAATCT TACTCAAGGC GGCIAATACC CACAGTTCC CCGAGCTTTG CGAGCAGCAG	660
120	TCTGTTCACT TGGCGGAGT GTTTGAATTA CAAGCTGGTG CTTCTGTGTT TGTCAACGTTG	720
121	ACTGAAGCAA GCCAAGTGAT CCACAGAGTT GGCTTCTCAT CTTTTGGCTT ACTCAAACTC	780
122	TGA	783
123		
124		
125		
126		
127	(2) INFORMATION FOR SEQ ID NO: 3:	
128		
129	(i) SEQUENCE CHARACTERISTICS:	
130		
131	(A) LENGTH:	783 base pairs
132	(B) TYPE:	nucleic acid
133	(C) STRANDEDNESS:	single
134	(D) TOPOLOGY:	linear
135		
136	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
137		
138	ATGATCGAAA CATAACAACCA AACTTCTCCC CGATCTGCGG CCACTGGACT GCCCATCAGC	60
139	ATGAAAATTT TTATGTATTT ACTTACTGTT TTTCTTATCA CCCAGATGAT TGGGTCAAGCA	120
140	CTTTTGCTG TGTATCTTC TAGAAGATTG GATAAGGTG AAGAGGAAGT AAACCTTCAT	180
141	GAAGATTTG TATTCTAAA AAAGCTAAAG AGATGCAACA AAGGAGAAGG ATCTTTATCC	240
142	TTGCTGAAC TGTGAGGAGAT GAGAAGGCAA TTTGAAGACC TTGTCAGGA TATAACGTTA	300
143	AACAAAGAAG AGAAAAAGA AAACAGCTTT GAAATGCAAA GAGGTGATGA GGATCCTCAA	360
144	ATTGCAGCAC ACGTTGTAAG CGAAGCCAAC AGTAATGCG CATCCGTTCT ACAGTGGGCC	420
145	AAGAAAGGAT ATTATACCAT GAAAAGCAAC TTGGTAATGC TTGAAAATGG GAAACAGCTG	480
146	ACGGTTAAA GAGAAGGACT CTATTATGTC TACACTCAAG TCACCTTCTG CTCTAACCGG	540
147	GAGCCTTCGA GTCAACGCCA ATTCACTCGTC GGCCTCTGGC TGAAGCCCAG CATTGGATCT	600
148	GAGAGAATCT TACTCAAGGC GGCIAATACC CACAGTTCC CCGAGCTTTG CGAGCAGCAG	660
149	TCTGTTCACT TGGCGGAGT GTTTGAATTA CAAGCTGGTG CTTCTGTGTT TGTCAACGTTG	720
150	ACTGAAGCAA GCCAAGTGAT CCACAGAGTT GGCTTCTCAT CTTTTGGCTT ACTCAAACTC	780
151	TGA	783
152		

**RAW SEQUENCE LISTING
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153		
154		
155	(2) INFORMATION FOR SEQ ID NO: 4:	
156		
157	(i) SEQUENCE CHARACTERISTICS:	
158		
159	(A) LENGTH: 786 base pairs	
160	(B) TYPE: nucleic acid	
161	(C) STRANDEDNESS: single	
162	(D) TOPOLOGY: linear	
163		
164	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
165		
166	ATGATCGAAA CATAACAACCA AACTTCTCCC CGATCTGCGG CCACTGGACT GCCCATCAGC	60
167	ATGAAAATTT TTATGTATTT ACTTACTGTT TTCCTTATCA CCCAAATGAT TGGATCTGTG	120
168	CTTTTGCTG TGTATCTTCA TAGAAGGTTG GACAAGATAG AAGATGAAAG GAATCTTCAT	180
169	GAAGATTTG TATTATGAA AACGATACAG AGATGCAACA CAGGAGAAAG ATCCTTATCC	240
170	TTACTGAAC TGTGAGGAGAT TAAAAGCCAG TTTGAAGGCT TTGTGAAGGA TATAATGTTA	300
171	AACAAAGAGG AGACGAAGAA AGAAAACAGC TTTGAAATGC AAAAAGGTGA TCAGAACCT	360
172	CAAATTGCGG CACATGTCAT AAGTGGGCC AGCAGTAAAA CAACATCTGT GTTACAGTGG	420
173	GCTGAAAAAG GATACTACAC CATGAGCAAC AACCTGGTAA CCCTGGAAAA TGGGAAACAG	480
174	CTGACCGTTA AAAGACAAGG ACTCTATTAT ATCTATGCC CAGTCACCTT CTGTTCCAAT	540
175	CGGGAAGCTT CGAGTCAAAGC TCCATTATA GCCAGCCTCT GCCTAAAGTC CCCCCGGTAGA	600
176	TTCGAGAGAA TCTTACTCAG AGCTGCAAAT ACCCACAGTT CCGCCAAACC TTGCGGGCAA	660
177	CAATCCATTC ACTTGGGAGG AGTATTTGAA TTGCAACCAAG GTGCTTCGGT GTTTGTCAAT	720
178	GTGACTGATC CAAGCCAAGT GAGCCATGGC ACTGGCTTCA CGTCCTTTGG CTTACTCAAA	780
179	CTCTGA	786
180		
181		
182		
183	(2) INFORMATION FOR SEQ ID NO: 5:	
184		
185	(i) SEQUENCE CHARACTERISTICS:	
186		
187	(A) LENGTH: 783 base pairs	
188	(B) TYPE: nucleic acid	
189	(C) STRANDEDNESS: single	
190	(D) TOPOLOGY: linear	
191		
192	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
193		
194	ATGATCGAAA CATAACAACCA AACTTCTCCC CGATCTGCGG CCACTGGACT GCCCATCAGC	60
195	ATGAAAATTT TTATGTATTT ACTTACTGTT TTCCTTATCA CCCAAATGAT TGGATCTGTG	120
196	CTTTTGCTG TGTATCTTCA TAGAAGATTG GATAAGGTCG AAGAGGAAGT AAACCTTCAT	180
197	GAAGATTTG TATTATAAA AAAGCTAAAG AGATGCAACA AAGGAGAAGG ATCTTTATCC	240
198	TTGCTGAAC TGTGAGGAGAT GAGAAGGCAA TTTGAAGACC TTGTCAAGGA TATAACGTTA	300
199	AACAAAGAAG AGAAAAAAAGA AAACAGCTTT GAAATGCAA GAGGTGATGA GGATCCTCAA	360
200	ATTGCAAGCAC ACGTTGTAAG CGAAGCCAAC AGTAATGCAAG CATCCGTTCT ACAGTGGGCC	420
201	AAGAAAGGAT ATTATACCAT GAAAAGCAAC TTGGTAATGC TTGAAAATGG GAAACAGCTG	480
202	ACGGTTAAAA GAGAAGGACT CTATTATGTC TACACTCAAG TCACCTTCTG CTCTAATCGG	540
203	GAGCCTTCGA GTCAACGCC ATTCACTCGTC GGCCTCTGGC TGAAGCCAG CATTGGATCT	600
204	GAGAGAAATCT TACTCAAGGC GGCAAAATACC CACAGTTCT CCCAGCTTTG CGAGCAGCAG	660
205	TCTGTTCACT TGGCGGAGT GTTGAATTA CAAGCTGGTG CTTCTGTGTT TGTCAACGTC	720

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/982,272DATE: 01/14/98
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206 ACTGAAGCAA GCCAAGTGAT CCACAGAGTT GGCTTCTCAT CTTTTGGCTT ACTCAAACTC 780
207 TGA 783

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210

211 (2) INFORMATION FOR SEQ ID NO: 6:

212

213 (i) SEQUENCE CHARACTERISTICS:

214

215 (A) LENGTH: 786 base pairs
216 (B) TYPE: nucleic acid
217 (C) STRANDEDNESS: single
218 (D) TOPOLOGY: linear

219

220 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

221

222 ATGATAGAAA CATAACGCCA ACCTTCCCCC AGATCCGTGG CAACTGGACT TCCAGCGAGC 60
223 ATGAAGATTT TTATGTATTT ACTTACTGTGTT TTTCTTATCA CCCAGATGAT TGGGTCAGCA 120
224 CTTTTGCTG TGTATCTTCA TAGAAGGTG GACAAGATAG AAGATGAAAG GAATCTTCAT 180
225 GAAGATTTG TATTATGAA AACGATACAG AGATGCAACA CAGGAGAAAG ATCCTTATCC 240
226 TTACTGAAC TGTGAGGAGAT TAAAAGCCAG TTTGAAGGCT TTGTGAAGGA TATAATGTTA 300
227 AACAAAGAGG AGACGAAGAA AGAAAACAGC TTTGAATGC AAAAAGGTGA TCAGAATCCT 360
228 CAAATTGCGG CACATGTCAT AAGTGAGGCC AGCAGTAAAA CAACATCTGT GTTACAGTGG 420
229 GCTGAAAAAG GATACTACAC CATGAGCAAC AACTTGGTAA CCCTGGAAAA TGGGAAACAG 480
230 CTGACCGTTA AAAGACAAGG ACTCTATTAT ATCTATGCC CAGTCACCTT CTGTTCCAAT 540
231 CGGGAAAGCTT CGAGTCAAGC TCCATTATA GCCAGCCTCT GCCTAAAGTC CCCCCGGTAGA 600
232 TTCGAGAGAA TCTTACTCAG AGCTGCAAAT ACCCACAGTT CCGCCAAACC TTGCGGGCAA 660
233 CAATCCATTC ACTTGGGAGG AGTATTTGAA TTGCAACCCAG GTGCTTCGGT GTTTGTCAAT 720
234 GTGACTGATC CAAGCCAAGT GAGCCATGGC ACTGGCTCA CGTCCTTTGG CTTACTCAAA 780
235 CTCCTGA 786

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245 (2) INFORMATION FOR SEQ ID NO: 7:

246

247 (i) SEQUENCE CHARACTERISTICS:

248

249 (A) LENGTH: 786 base pairs
250 (B) TYPE: nucleic acid
251 (C) STRANDEDNESS: single
252 (D) TOPOLOGY: linear

253

254 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

255

256 ATGATAGAAA CATAACGCCA ACCTTCCCCC AGATCCGTGG CAACTGGACT TCCAGCGAGC 60
257 ATGAAGATTT TTATGTATTT ACTTACTGTGTT TCCCTTATCA CCCAAATGAT TGGATCTGTG 120
258 CTTTTGCTG TGTATCTTCA TAGAAGGTG GACAAGATAG AAGATGAAAG GAATCTTCAT 180

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/982,272

DATE: 01/14/98
TIME: 16:27:46

INPUT SET: S22605.raw

Line	Error	Original Text
45	Wrong application Serial Number	(A) APPLICATION NUMBER: To Be Assigned